Original / Duplicate / Triplicate

No. 1st & Final bill

CONTRACT CERTIFICATE

(For Other Works)

A.E.E/M.N.....
Date S.B.R. No: 73/20-21
Dt: 11/2/2021

YNK-DBR No.....
Date.....Dated.....

Division: Yelahanka
Bill Received No.....
Scheduled Docket No.....

Sub Division: Yelahanka
Cash Book Voucher No.....dated.....

Name of Work: Improvements to roads and Drains at SC/ST areas in ward no-02 of Yelahanka Sub Division

Job Code No: 002-21-000066

Est. cost: 100.00 lakhs

Name of Contractor and Full Address : Sri Ramesh. Y. B, Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT-5/W.O/195/2020-21,** **Dated : 23-12-2020**

Certified that the measurements were taken by me on 11/02/2021 and recorded in pages 115823 to 115833 of measurement Book No 1159 and that the work is satisfactorily executed

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 12/02/2021 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office

Sub-Division Officer

Assistant Executive Engineer
Yelahanka Sub-Division
BBMP Ynk Zn
Yelahanka, Bangalore

If Memorandum of Payment

1) Total value of work done or supplies made as per account within — Bill Amt 9074522=00
2) Deduct amount to be held in reserve being .....percent Rs — 12% G.S. 1088943=00
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date ..... less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Govern materials supplied

Gross Amt =Rs	10163465=00
FSD =Rs	—
CGST =Rs	907747=00
SGST =Rs	907747=00
IT =Rs	907747=00
LC =Rs	101634=00
CBF =Rs	101163=00
	1,77,860-00
Royalty =Rs	217224=00
T.D SG+~~SR~~	~~60~~ 1262=00
Net Amt =Rs	9601567=00

Contractor's Signature

Received Rs ..... (in words)
By Cash and by adjustment of Payment as per memorandum.

(For use in the Office)

Witnesses :

1

2

Dated.....Signature of Contractor

Audited & Admitted for Rs 10163465=00
one Crore one lakh Sixty three Hmnd four hundred & Sixty five
9601567=00 Cheque
and Rs 601262=00 by adjustment
561898=00

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt
yelahanka Division
BBMP

Exe. Engineer
yelahanka Division
BBMP
Executive Engineer

Name of Work: Improvements to roads and Drains at SC/ST areas in ward no-02 of Yelahanka Sub Division

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 8km lead	Cum	354.29	225.98	80063.36			352.42	225.98	79639.00	352.42	79639.00
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. a) 40mm Jelly	Cum	0.99	1995.48	1979.52			0.99	1995.48	1980.00	0.99	1980.00
3	b) 20mm Jelly	Cum	0.99	1995.48	1979.52			0.99	1995.48	1980.00	0.99	1980.00
4	c) Coarse sand.	Cum	0.74	2782.75	2070.37			0.74	2782.75	2071.00	0.74	2071.00
5	d) Fine Sand	Cum	0.50	2782.75	1380.25			0.50	2782.75	1381.00	0.50	1381.00
6	e) 12.5mm chips	Cum	0.74	1995.48	1484.64			0.74	1995.48	1485.00	0.74	1485.00
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc complete	Rmt	14.40	11360.19	163586.74			14.40	11360.19	163587.00	14.40	163587.00
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified in drawings or as approved by Engineer Incharge	Cum	2.48	74.56	184.91			2.48	74.56	185.00	2.48	185.00

						measurement						
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Cum	88.78	5691.37	505251.38			88.38	5691.37	502993.00	88.38	502993.00
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including	Cum	91.81	7421.59	681391.03			91.11	7421.59	676179.00	91.11	676179.00
11	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per	Ton	5.62	77669.65	436276.64			5.55	77669.65	431259.00	5.55	431259.00
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)	Sqm	327.00	2453.15	802180.05			326.97	2453.15	802107.00	326.97	802107.00
13	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.	Sqm	8.40	5687.27	47773.07			6.84	5687.27	38901.00	6.84	38901.00

						measurement		Present Measurement			Up to date	
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)	Nos	622.00	453.97	282369.34			622.00	453.97	282370.00	622.00	282370.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)	Sqm	112.00	89.01	9969.12			111.96	89.01	9966.00	111.96	9966.00
16	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading with 8km lead= (I No-18.47,P No-140,KPWD SR 2018-19)	Sqm	47.20	1021.80	48228.96			47.09	1021.80	48112.00	47.09	48112.00
17	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work	Cum	35.40	5469.94	193635.88			35.31	5469.94	193167.00	35.31	193167.00
18	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.(P.No-146,I No-19.52)	Cum	4724.00	43.39	204974.36			4723.77	43.39	204965.00	4723.77	204965.00

Sl No	Description of work					measurement						
19	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	207.36	2094.07	434226.36			207.29	2094.07	434084.00	207.29	434084.00
20	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1086.52	2100.74	2282496.03			1086.47	2100.74	2282383.00	1086.47	2282383.00
21	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	4724.00	31.16	147199.84			4723.77	31.16	147193.00	4723.77	147193.00
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	4724.00	13.35	63065.40			4723.77	13.35	63063.00	4723.77	63063.00
23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	236.20	6726.16	1588719.00			236.19	6726.16	1588640.00	236.19	1588640.00

						measurement						
24	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic)	Cum	141.72	7912.28	1121328.33			141.71	7912.28	1121273.00	141.71	1121273.00
25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	182.20	477.34	86971.35			181.51	477.34	86640.00	181.51	86640.00
	Total				**9188785.45**					**9165603.00**		**9165603.00**
	GST 12%				**1102654.25**					**1099872.36**		**1099872.36**
	Grand Total				**10188366.00**					**10265475.36**		**10265475.36**

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

K-R

Consultant

Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore